

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 of 4

2. AMENDMENT/MODIFICATION NO. 4	3. EFFECTIVE DATE 27-Apr-2004	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY US Army Corps of Engineers, Kansas City District 760 Federal Building, 601 East 12th Street Kansas City, Missouri 64106-2896		7. ADMINISTERED BY (If other than item 6)	

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(x) 9a. AMENDMENT OF SOLICITATION NO. W912DQ-04-B-0004
	9B. DATED (SEE ITEM 11) 3/18/2004
	10A. MODIFICATION OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above number solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegraph which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBER CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF:
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Barracks - 1st BDE, FY04, PN 36388, Fort Riley, Kansas
 The Solicitation is amended in accordance with the attached pages.

**BID OPENING IS DELAYED UNTIL 2:00 P.M., LOCAL TIME, 11 MAY 2004,
 RM 748 FEDERAL BLDG, 601 E. 12TH ST., KCMO 64106-2896.**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	BY (Signature of Contracting Officer)

THIS AMENDMENT IS CONTAINED IN TWO (2) DOCUMENTS, PART 1 AND PART 2.

PART 1

1. SPECIFICATIONS: The following narrative changes are made as indicated.

- a. Clarification: Reference Toilet Accessories, for questions of quantities, go by what is shown on the drawings.
- b. Revised Pages: The following pages are deleted and replaced with revised pages of the same numbers. Copies of the revised pages are attached.

02921A-4
02922A-4

c. Narrative Changes: The following narrative changes are made as indicated.

- 1) Section 06100A, paragraph 3.7 titled "SPECIAL INSPECTION AND TESTING FOR SEISMIC-RESISTING SYSTEMS" is deleted in its entirety.
- 2) Section 10260, paragraph 2.3.3 titled "Accent Rail Type AR {SCB}" is deleted in its entirety. Bidder is referred to Volume 1, Sheet A_IN506 Detail A for picture rail detail to replace accent rails.

3) Section 16415, paragraph 2.2 CABLE TRAYS: The following subparagraph is added.

"2.2.4 Wire Baskets

Wire basket size shall be as indicated on the drawings. Wire basket system shall be made of high strength steel wires and formed into a standard 51 mm x 102 mm wire mesh pattern with intersecting wires welded together. All wire ends along system's sides shall be rounded during manufacturing for safety of cables and installers."

d. Deleted Section: Section 10100 VISUAL COMMUNICATIONS SPECIALTIES is deleted in its entirety.

2. DRAWINGS:

- a. Revised Drawings: The following drawings are deleted and replaced with revised drawings of the same numbers. Copies of the revised drawings are attached in pdf format.

Volume 1

B_E201
B_E6-1
B_E803

Volume 2

A_E601
A_IN801
B_SE101

State-approved seed of the latest season's crop shall be provided in original sealed packages bearing the producer's guaranteed analysis for percentages of mixture, purity, germination, hard seed, weed seed content, and inert material. Labels shall be in conformance with AMS Seed Act and applicable state seed laws.

2.1.2 Permanent Seed Species and Mixtures

Permanent seed species and mixtures shall be proportioned by weight as follows:

Botanical Name	Common Name	Mixture Percent by Weight	Percent Pure Live Seed
		LAWN SEED	
	<u>Any Locally Available Fine Leaf Fescue</u>	100	85

2.1.3 Temporary Seed Species

When areas that are not going to be paved or receive buildings shall within ten days of stripping of topsoil or grading be seeded with a temporary seeding to mitigate erosion. Repeated seedings shall be made to mitigate barren areas.

Temporary seed species for surface erosion control or overseeding shall be as follows:

Botanical Name	Common Name	Percent Pure Live Seed
Annual Rye	lolium multiflorum	85

2.1.4 Quality

Weed seed shall be a maximum 1 percent by weight of the total mixture.

2.1.5 Seed Mixing

The mixing of seed may be done by the seed supplier prior to delivery, or on site as directed.

2.1.6 Substitutions

Substitutions will not be allowed without written request and approval from the Contracting Officer.

2.2 TOPSOIL

Topsoil shall be as defined in ASTM D 5268. When available, the topsoil shall be the existing surface soil stripped and stockpiled onsite in accordance with Section 02300 EARTHWORK. When additional topsoil is required beyond the available topsoil from the stripping operation, topsoil shall be delivered and amended as recommended by the soil test for the seed specified. Topsoil shall be

State-approved sod shall be provided as classified by applicable state laws. Sod section shall be sized to permit rolling and lifting without breaking.

2.1.2 Grass Species

Grass species shall be proportioned as follows:

<u>Botanical Name</u>	<u>Common Name</u>	<u>Mixture Percent</u>
	<u>Any Locally Available Fine Leaf Fescue</u>	95

2.1.3 Quality

Sod shall be relatively free of thatch, diseases, nematodes, soil-borne insects, weeds or undesirable plants, stones larger than in diameter, woody plant roots, and other materials detrimental to a healthy stand of grass plants. Broadleaf weeds and patches of foreign grasses shall be a maximum 2 percent of the sod section.

2.1.4 Thickness

Sod shall be machine cut to a minimum thickness. Measurement for thickness shall exclude top growth and thatch.

2.1.5 Anchors

Sod anchors shall be as recommended by the sod supplier.

2.1.6 Substitutions

Substitutions will not be allowed without written request and approval from the Contracting Officer.

2.2 TOPSOIL

Topsoil shall be as defined in ASTM D 5268. When available, the topsoil shall be the existing surface soil stripped and stockpiled onsite in accordance with Section 02300A EARTHWORK. When additional topsoil is required beyond the available topsoil from stripping operation, topsoil shall be delivered and amended as recommended by the soil test for the sod species specified. Topsoil shall be free from slag, cinders, stones, lumps of soil, sticks, roots, trash, or other material over a maximum diameter. Topsoil shall be free from viable plants and plant parts.

2.3 SOIL AMENDMENTS

Soil amendments shall consist of pH adjuster, fertilizer, organic material, and soil conditioners meeting the following requirements. Vermiculite shall not be used.

2.3.1 pH Adjuster

The pH adjuster shall be an agricultural liming material in accordance with ASTM C 602. These materials may be burnt lime, hydrated lime, ground limestone, or shells. The pH adjuster shall be used to create a favorable soil pH for the plant material specified.

Rev.	Date	Description	Symbol	Date	Appr.
1	7/27/04	AMENDMENT 4 - COOKTOP STOVE TIMER SWITCH			

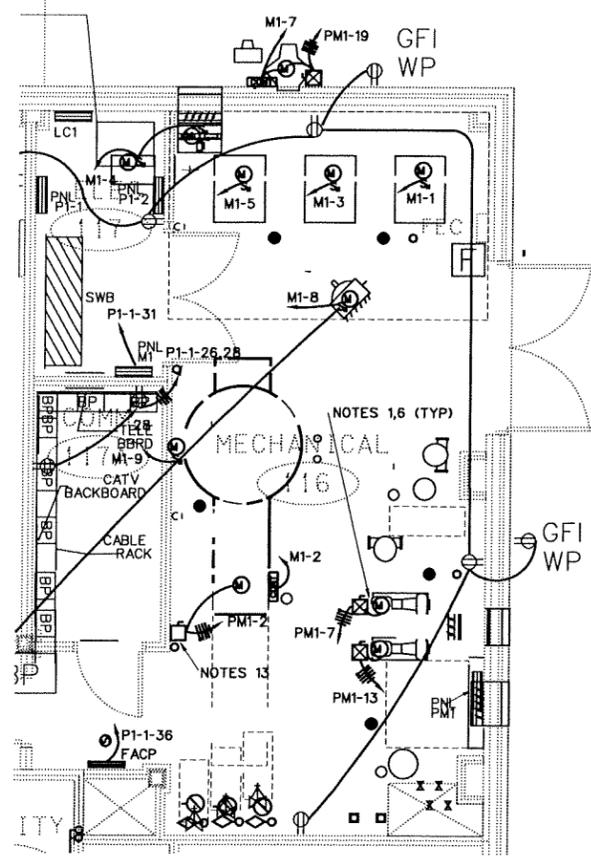
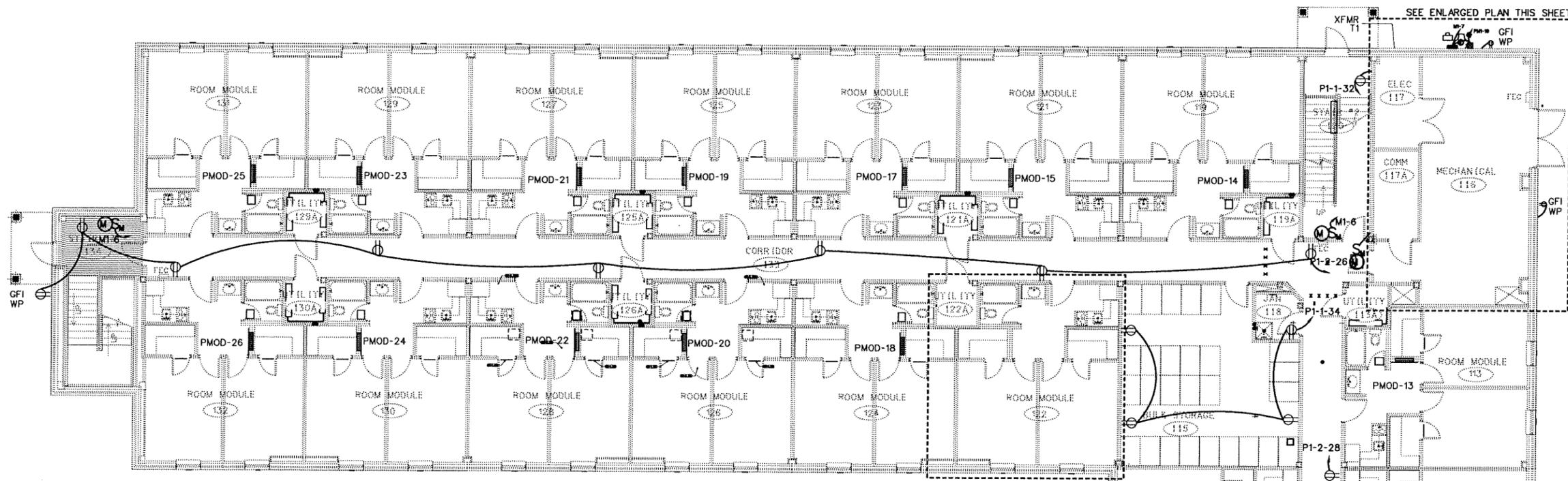
Designed by:	CPS	Checked by:	CPS
Drawn by:	CPS	Reviewed by:	CPS
Submitted by:	CPS		
Date:	FEBRUARY 2004	Design file no.:	
Drawing code:	FX720-00-03	File name:	18/bldg_e-201.dgn
Scale:		Plot scale:	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
KANSAS CITY, MISSOURI

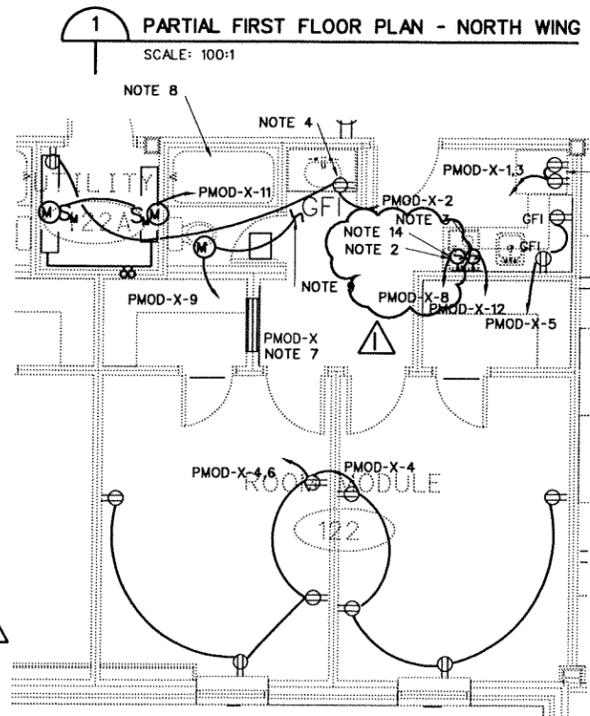
FT. RILEY, KANSAS
WHOLE BARRACKS RENEWAL FY04
BLDG. NO. 7815 A & B

BARRACKS
PARTIAL FIRST FLOOR POWER PLAN

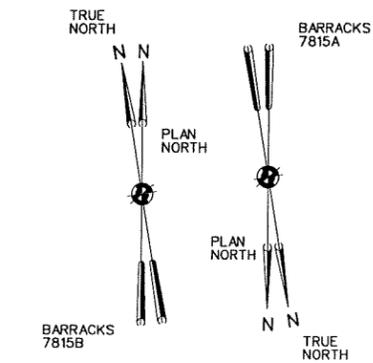
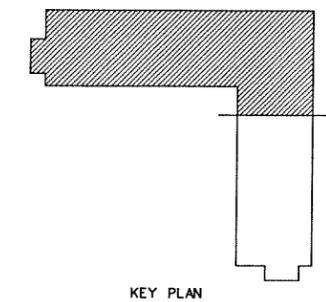
Sheet reference number:
B_E-201



- GENERAL NOTES:**
- SEE SHEET E001 FOR ELECTRICAL LEGEND
 - SHEET IS APPLICABLE TO BLDG 7815A AND 7815B
 - SEE SHEET B_E-201 FOR ENLARGED MODULE PLAN
 - NO COMM OR RECEPT OUTLET BOXES SHALL BE WITHIN 254 mm (10") OF BOXES LOCATED IN ADJACENT ROOMS.
- NOTES:**
- COORDINATE EXACT LOCATION OF MOTORS WITH MECHANICAL EQUIPMENT (TYP)
 - MOUNT RECEPTACLE FOR COOKTOP INSIDE CABINET. SEE SHEET B_IN401 (TYP). TWO JB'S SHOWN, SEE NOTE 14.
 - MOUNT JUNCTION BOX FOR EXHAUST HOOD INSIDE CABINET. SEE SHEET B_IN401 (TYP)
 - MOUNT 1100 MM AFF (TYP)
 - MOUNT 900 MM (REFRIG) AND 1500 MM (MICROWAVE) AFF (TYP)
 - MOUNT MOTOR STARTER ON UNISTRUT RACK 1200 MM AFF. OFFSET RACK FROM PUMP TO ALLOW PUMP REMOVAL FOR MAINTENANCE
 - "N" REFERS TO UNIQUE PANEL NUMBER IN EACH MODULE. SEE PLAN VIEW FOR PANEL NUMBERS AND LOCATIONS
 - CIRCUIT PMOD-X-12 IS ONLY INCLUDED ON THE FOLLOWING PANELS: PMOD 2,3,6,7,10,11,13,14,16,17,20,21,24,25
 - CONNECT TO LIGHT SWITCH
 - COORDINATE INSTALLATION OF RECEPTACLE WITH WALL MOUNTED DROP DOWN IRONING BOARD AS SHOWN ON B_IN403
 - MOUNT 900 MM AFF, TYP THIS ROOM
 - MOUNT 1500 MM AFF, TYP THIS ROOM
 - DISCONNECT SWITCH 600V 30A 3P, 4W, NF IN NEMA 1 ENCLOSURE. MOUNT 1067 mm (42" AFF).
 - FLUSH MOUNT JB 154 MM ABOVE COUNTER TOP. CENTER JB WITH STOVE. INSTALL COOKTOP SWITCH. PROVIDE 16 MM CONDUIT FROM JB TO JB UNDER COUNTER TOP. CONDUIT AND JB TO BE UTILIZED BY TIMER SWITCH PROVIDED WITH COOKTOP ASSEMBLY. CONNECT COOKTOP CIRCUIT VIA SWITCH



ENLARGED ROOM MODULE POWER PLAN
APPLICABLE TO ALL FLOORS MODULES



ENLARGED MECHANICAL ROOM POWER PLAN

Panel: PWD1		V(L-L): 208		Phase 3 Wires 4			Main 225A AIC 14000					
Ck No	Trip Am	Connected Load	%DF	CONN (VA)	A	B	C	CONN (VA)	%DF	Connected Load	Trip Am	Ck No
1	20	Wash Machine	0.80	1500	2900			1400	0.80	Dryer	20	2
3	20	Wash Machine	0.80	1500		2900		1400	0.80	Dryer	20	4
5	20	Wash Machine	0.80	1500			2900	1400	0.80	Dryer	20	6
7	20	Wash Machine	0.80	1500	2900			1400	0.80	Dryer	20	8
9	20	Wash Machine	0.80	1500		2900		1400	0.80	Dryer	20	10
11	20	Wash Machine	0.80	1500			2900	1400	0.80	Dryer	20	12
13	20	Wash Machine	0.80	1500	2900			1400	0.80	Dryer	30	14
15	20	Wash Machine	0.80	1500		2900		1400	0.80	Dryer	30	16
17	20	Wash Machine	0.80	1500			2900	1400	0.80	Dryer	20	18
19	20	Wash Machine	0.80	1500	2900			1400	0.80	Dryer	20	20
21	20	Wash Machine	0.80	1500		2900		1400	0.80	Dryer	20	22
23	20	Wash Machine	0.80	1500			2900	1400	0.80	Dryer	20	24
25	20	Wash Machine	0.80	1500	2900			1400	0.80	Dryer	20	26
27	20	Wash Machine	0.80	1500		2900		1400	0.80	Dryer	20	28
29	20	Wash Machine	0.80	1500			2900	1400	0.80	Dryer	20	30
31	20	Spare			1400			1400	0.80	Dryer	20	32
33	20	Spare				0				Space	20	34
35	20	Spare					0			Space	20	36
37	20	Space			0					Space	20	38
39	20	Space				0				Space	20	40
41	20	Space					0			Space	20	42
Estimated Load (VA)			Connected	15900	14500	14500	Estimated Current (A)					
Connected			44900				Connected			125		
Demand			35920				Hldemand			106		
						W/spr 20%			127			

Panel: PMOD		V(L-L): 208		3 W, Single Phase			MLO: 100 A		10,000 AIC			
Ck No	Trip Amp	Connected Load	%DF	CONN (VA)	f ₁	f ₂	CONN (VA)	%DF	Connected Load	Trip Amp	Ck No	
1	20	Rcpt - Refrigerator	0.80	1400	2080		680	0.80	Rcpt - Vanity Sink & Utility	20	2	
3	20	Rcpt - Microwave	0.80	1200		1920	720	0.80	Rcpt - Bedroom 1	20	4	
5	20	Rcpt - Kitchen Appliances	0.50	1000	1720		720	0.80	Rcpt - Bedroom 2	20	6	
7	20	Lights	0.80	480		1080	600	0.80	Cooktop	15	8	
9	15	EF-2	0.80	670	1270		600	0.80			10	
11	20	Util FCU B-G (Even Pnl Only)	1.00	600		1150	550	1.00	Exhaust Hood	20	12	
13	20	SPACE							SPACE	20	14	
15	20	SPACE							SPACE	20	16	
17	20	SPACE							SPACE	20	18	
Estimated Load (VA)			Connected	5070	4150	Estimated Current (A)						
Connected			9220				Connected			26		
Demand			7306				Hldemand			31		
						W/spr 20%			38			

NOTES
1. PROVIDE ARC FAULT INTERRUPTER PROTECTION FOR ALL RECEPTACLE CIRCUITS IN BEDROOMS



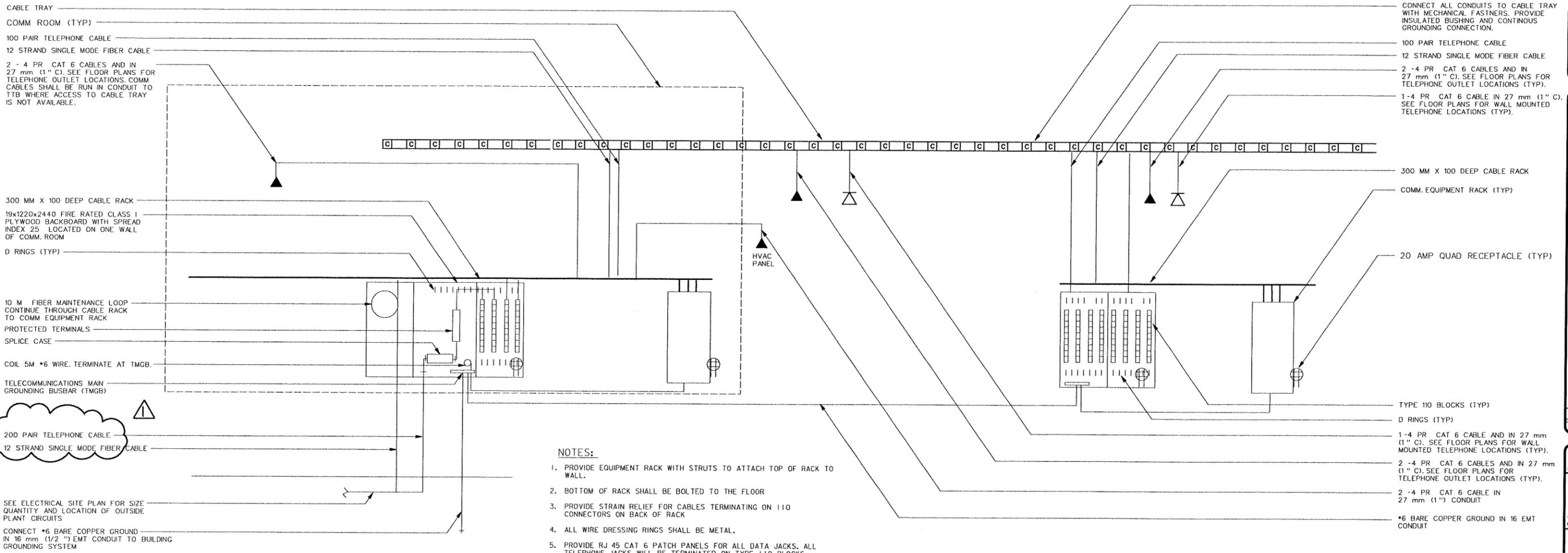
Rev.	Date	Description
1	11/27/04	CHANGE COOKTOP

Designed by: CPS	Checked by: CPS	Reviewed by: CPS	Submitted by: CPS
Date: FEBRUARY 2004	Design file no.:	Drawing code: K-720-00-03	File name: REVISED-803.DWG
Per scale: X			

FT RILEY, KANSAS
WHOLE BARRACKS RENEWAL FY04
BLDG. NO. 19318/19318 B

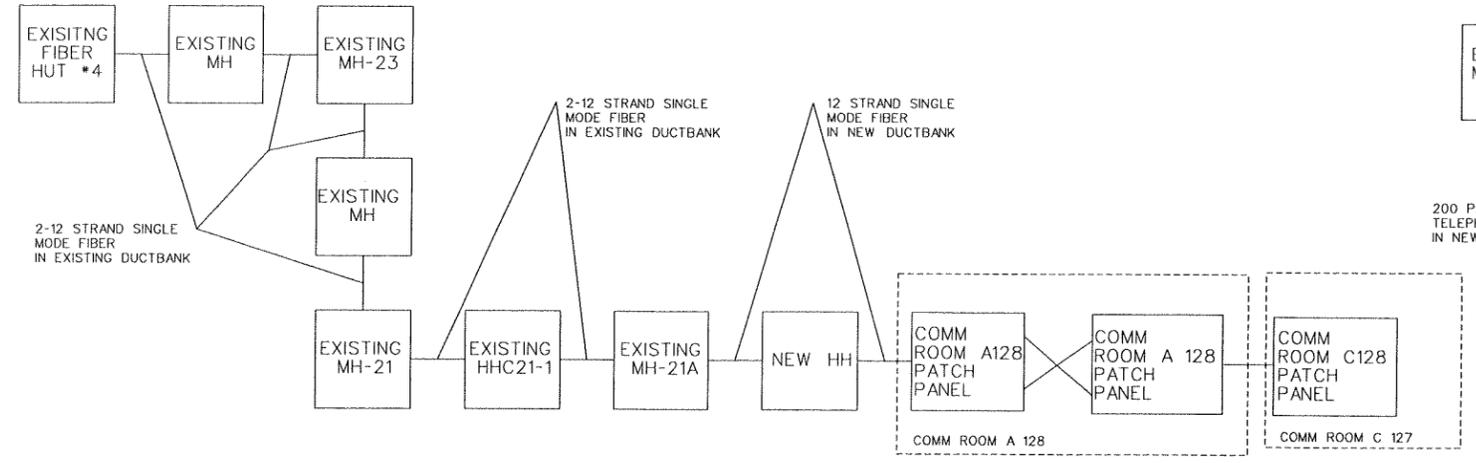
BARRACKS PANELBOARDS

Sheet reference number:
B_E-803

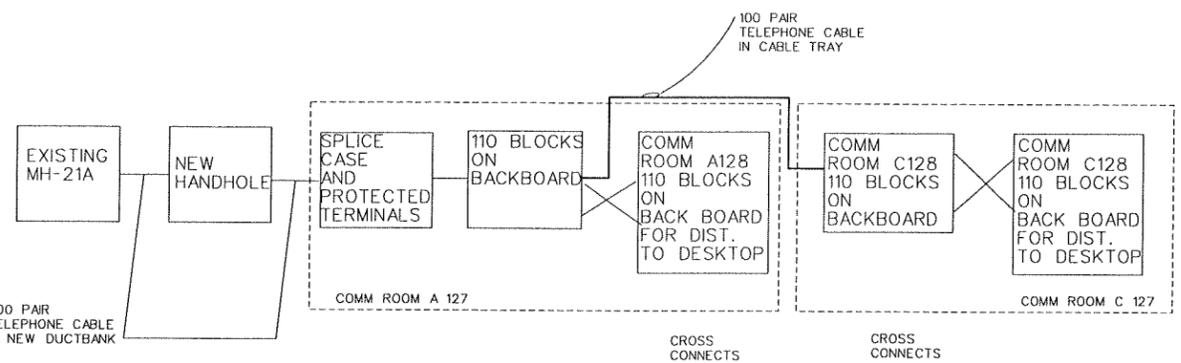


TELEPHONE ONE LINE DIAGRAM

- NOTES:**
1. PROVIDE EQUIPMENT RACK WITH STRUTS TO ATTACH TOP OF RACK TO WALL.
 2. BOTTOM OF RACK SHALL BE BOLTED TO THE FLOOR
 3. PROVIDE STRAIN RELIEF FOR CABLES TERMINATING ON 110 CONNECTORS ON BACK OF RACK
 4. ALL WIRE DRESSING RINGS SHALL BE METAL.
 5. PROVIDE RJ 45 CAT 6 PATCH PANELS FOR ALL DATA JACKS. ALL TELEPHONE JACKS WILL BE TERMINATED ON TYPE 110 BLOCKS.
 6. PROVIDE PATCH PANEL FOR TERMINATING OUTSIDE PLANT SINGLE MODE FIBER. PROVIDE ADDITIONAL PATCH PANEL FOR TERMINATING 12 STRAND SINGLE MODE FIBER TO COMM ROOM C127
 7. ALL OUTLETS SHALL BE CONFIGURED FOR T1A 568B.
 8. TERMINATE ALL CONDUITS AS INDICATED ON THE ONE LINE DIAGRAM. PROVIDE INSULATED BUSHINGS ON ALL CONDUITS TERMINATING AT THE BACKBOARD AND CABLE TRAY.
 9. ALL CONNECTORS/FITTINGS ARE NOT SHOWN ON THE ONE LINE DIAGRAM. SEE FLOOR PLANS FOR NUMBER AND LOCATION OF ALL CONNECTOR/FITTINGS.
 10. SEE FLOOR PLANS FOR SIZE AND LOCATION OF ALL CABLE TRAYS.



FIBER OPTIC ONE LINE DIAGRAM



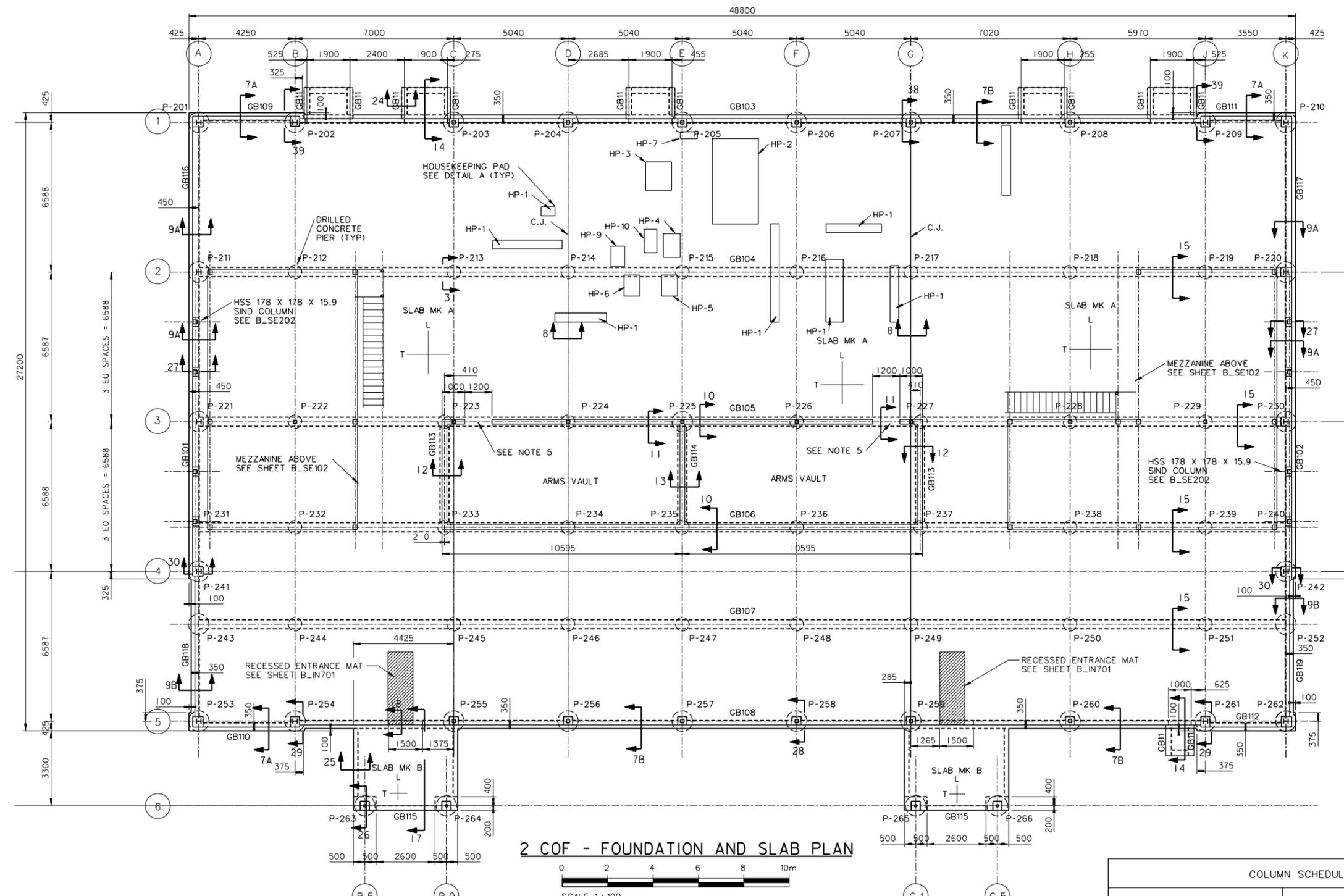
TELEPHONE CABLE ONE LINE DIAGRAM

Rev.	Date	Description
1	1/27/04	AMENDMENT 4 - CORRECT TYPO

Designed by: CPS	Checked by: CPS	Drawn by: CPS	Reviewed by: X	Submitted by: X
Date: FEBRUARY 2004	Design file no.	Drawing code: K-720-00-03	File name: R1920a_e-601.dgn	Plot scale: X

U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 KANSAS CITY, MISSOURI

FT. RILEY, KANSAS
 WHOLE BARRACKS RENEWAL FY04 PWS3388
 4 COF COMM ONE LINE DIAGRAMS



SECTION CUT & DETAIL SHEET REFERENCE	
SECTION	SHEET
7A 7B	SE302
8	SE302
9A 9B	SE302
10	SE304
11	SE304
12	SE304
13	SE305
14	SE302
15	SE303
17	SE306
18	SE306
24	SE303
25	SE303
26	SE306
27	SE303
28	SE311
29	SE311
30	SE311
31	SE311
38	SE314
39	SE314
DETAIL	SHEET
A	SE302

NOTES:
 1. DRILLED CONCRETE PIERS ARE DESIGNATED AS P-XX ON PLANS. SEE SHEET B_SE301 FOR PIER SCHEDULE AND DETAILS.
 2. FOUNDATION GRADE BEAMS ARE DESIGNATED AS GBXX ON PLANS. SEE SHEET B_SE308 FOR GRADE BEAM SCHEDULE AND DETAILS.
 3. STRUCTURAL FLOOR SLABS ARE DESIGNATED WITH MARK LETTERS. SLAB REINFORCEMENT IN LONGITUDINAL DIRECTION IS DESIGNATED BY "L" AND TRANSVERSE REINFORCEMENT IS DESIGNATED BY "T". SEE FLOOR SLAB REINFORCEMENT SCHEDULE ON SHEET BS3.8 AND SECTION CUTS FOR MORE INFORMATION.
 4. FOR ARMS VAULT ROOF SLAB PLAN SEE SHEET B_SE307
 5. 1200 IS ESTIMATED ARMS VAULT DOOR WIDTH. COORDINATE FINAL WIDTH WITH ACTUAL SECURITY DOOR PROVIDED.

HOUSEKEEPING PAD SCHEDULE	
PAD DESIGNATION	EQUIPMENT
HP-1	LOCKERS
HP-2	AIR HANDLER AHU-1B
HP-3	WATER HEATER DWH-1B
HP-4	PUMPS HWP-1B AND 2B
HP-5	BOILER B-1B
HP-6	BOILER B-2B
HP-7	PUMP CHWP-1B

HOUSEKEEPING PAD SCHEDULE	
PAD DESIGNATION	EQUIPMENT
HP-9	AIR COMPRESSOR AC-1B
HP-10	EXPANSION TANK ET-1B/2B

COLUMN SCHEDULE		
GRID LOCATION	COLUMN SIZE	BASE PLATE DETAIL
A-1 B-1 J-1 K-1 A-2 K-2 A-3 K-3 A-4 K-4 A-5 B-5 J-5 K-5	W200x35.9	DET A/ SE310
C-1 D-1 E-1 F-1 G-1 H-1 B-3 H-3 J-3 C-5 D-5 E-5 F-5 G-5 H-5	HSS 152x152x7.9	DET B/ SE310
B.5-6 B.9-6 G.1-6 6.5-6	HSS 101.6x101.6x6.4	DET C/ SE310
C-3 D-3 E-3 F-3 G-3	HSS 127x127x7.9	SECT. 21/SE305
WIND COLUMNS AT LINES A AND K	HSS 178x178x15.9	DET D/ SE310

Rev.	Date	Description
SS	4-27-04	Amendment #4 - Dimensions for entire sheet were changed by a factor of 100.

Designed by:	Checked by:	Reviewed by:	Submitted by:
BAS	JAC	TOW	TOW

U.S. ARMY ENGINEER DISTRICT
KANSAS CITY, MISSOURI

FT. RILEY, KANSAS
WHOLE BARRACKS RENOVATION
BLDG. NO. 7803

FOUNDATION AND SLAB PLAN

Sheet reference number:
B_SE101